

## **SAMPLING HOT MIX ASPHALT ITM 580**

### **APPARATUS**

- [ ] Sampling Plate, square with a minimum size of 8 in. and having a hole of approximately 3/8 in. in diameter
- [ ] No. 18 mechanics wire or equivalent
- [ ] Masonry nail or equivalent
- [ ] Mold, round with a height greater than the mixture thickness and a diameter less than width of the sampling plate
- [ ] Pitchfork
- [ ] Square bit shovel. The shovel for plate sampling is required to be narrower than the plate.
- [ ] Sample container, sufficient stiffness to support the sample and allow safe handling of the material. Container for plate sample is required to be lined with non-absorbent paper.
- [ ] Oven bag

### **PROCEDURE -- PLATE SAMPLES WITHOUT A MOLD**

- [ ] Plate with attached wire placed on pavement, and placed onto a nail if plate movement is a problem
- [ ] Wire extended beyond edge of pavement width
- [ ] Location of all plates in accordance with ITM 802
- [ ] Plate located with wire, and plate raised slightly for insertion of pitchfork or shovel
- [ ] Plate and sample lifted from pavement and entire sample on plate placed in sample container. Moisture samples placed in an oven bag and immediately sealed
- [ ] Sample hole immediately refilled with HMA

### **PROCEDURE -- PLATE SAMPLES WITH A MOLD**

- [ ] Plate with attached wire placed on pavement, and placed onto a nail if plate movement is a problem
- [ ] Wire extended beyond edge of pavement width
- [ ] Location of all plates in accordance with ITM 802
- [ ] Plate located with wire
- [ ] Clean mold pushed in a circular motion down into mixture directly over the plate
- [ ] Plate and mold raised together and pitchfork or shovel inserted under plate
- [ ] Plate and mold lifted from pavement with both tightly together
- [ ] Excess material on top of plate that is outside mold discarded by scraping
- [ ] Sample inside mold placed in sample container. Material remaining on plate scraped into sample container
- [ ] Moisture sample placed in an oven bag and immediately sealed
- [ ] Sample hole immediately refilled with HMA

**PROCEDURE -- CORES**

- ☐ Uniform 6 in. diameter core obtained from pavement using a core device
- ☐ Core removed from pavement with a device that does not damage the layer to be tested
- ☐ Layer to be tested marked with a lumber crayon or permanent marker
- ☐ Core hole cleaned, dried, and filled with HMA of similar or smaller size particles within one work day of coring operations

**PROCEDURE -- TRUCK SAMPLES, HMA 4.75 mm MIXTURES**

- ☐ Shovel inserted into several areas that appear uniform in texture, and mixture placed in sample container
- ☐ Moisture sample placed in an oven bag and immediately sealed

**PROCEDURE -- TRUCK SAMPLES, OPEN GRADED HMA**

- ☐ Shovel inserted into mixture between the center of cone and front of truck and sample placed into container
- ☐ Shovel inserted into mixture between the center of cone and back of truck and sample added to first sample

**PROCEDURE -- TRUCK SAMPLES, DENSE GRADED HMA**

- ☐ Sample location is approximate mid section of the truck
- ☐ Shovel is inserted into the coned material and lifted to establish a horizontal plane
- ☐ Vertical face is established with shovel below the horizontal plane
- ☐ Sample obtained by inserting shovel horizontally into the vertical face at a depth of approximately twice the thickness of maximum particle size of material and then lifting shovel vertically

NA - Not Applicable

X - Requires Corrective Action

√ - Satisfactory

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Acceptance Technician

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INDOT

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Date

Comments: \_\_\_\_\_

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